

# Devin Boyer

**Email:** drb5272@gmail.com • **Web Address:** [thecloudonline.net](http://thecloudonline.net)

## Software Development Experience

### Meteorological Software Engineer, The Weather Company (WSI, Inc)

June 2014-present, Andover, MA

- Implemented migration and upgrade of the group's codebase and infrastructure into AWS, including setup of a modern CI/CD workflow and creating fully automated infrastructure provisioning using CloudFormation and SaltStack.
- Create and maintain production-level code as part of an Agile development team, ingesting and processing various meteorological data sets and formats and displaying them via an ASP.NET MVC web platform.
- Immediately took ownership of the WSI Energy model graphics output, quickly completing an overhaul of the underlying GrADS code and continuing to provide enhancements.

### Development Intern - Weather Underground

June-August 2013, San Francisco, CA

- Developed much of the user interaction code for a responsive "live blog" web application using jQuery and native Javascript, in addition to SASS, CSS3, and the Zurb Foundation framework

### Meteorological Web Design Intern - WSI, Inc

May-July 2012, Andover, MA

- Developed a new interactive web viewer for the company's in-house weather model as a member of the Numeric Weather Prediction team. The viewer has been operational within the company since Fall 2012.
- Designed and implemented the web app using HTML5, AJAX, OpenLayers frontend with a PHP and Python backend

### Head of Information Technology - Penn State Campus Weather Service

January 2012-December 2013

- Implemented new features and recommendations for organization's website, and also fixed existing bugs
- Re-engineered site security model including authentication and PHP database access to prevent attacks

## Technical Skills

**Proficient Languages:** Perl, Python, Bash, JavaScript, C#, PHP, HTML/CSS

**Working Knowledge Languages:** C/C++, Java, Go, PowerShell

**Platforms/Toolsets:** Linux, Mac OS X, Windows, Git, AWS, Heroku, SaltStack, Vagrant, Packer, MySQL, PostgreSQL, QGIS

## Education

**Bachelor of Science, Meteorology (2014)** - The Pennsylvania State University, University Park, PA

General option with a focus in Computer Science

## Leadership and Recognition

- **2013 Earth and Mineral Sciences Academy for Global Experiences Laureate**, demonstrating a balance of strengths across the domains of global awareness, professional and civic service, and leadership
- **2012-13 President of the College of Earth and Mineral Sciences Student Council**, leading a 60+ member student organization and overseeing planning of several large annual events (>200 attendees each)
- **2013-14 Vice President**, Penn State Branch of the American Meteorological Society/Penn State Chapter of the National Weather Association
- **First Place winner, Undergraduate Oral Presentations**, 2013 National Weather Association Conference
- **Charter officer and webmaster** of the Penn State Storm Chase Team
- **Awarded Eagle Scout** by the Boy Scouts of America, 2008